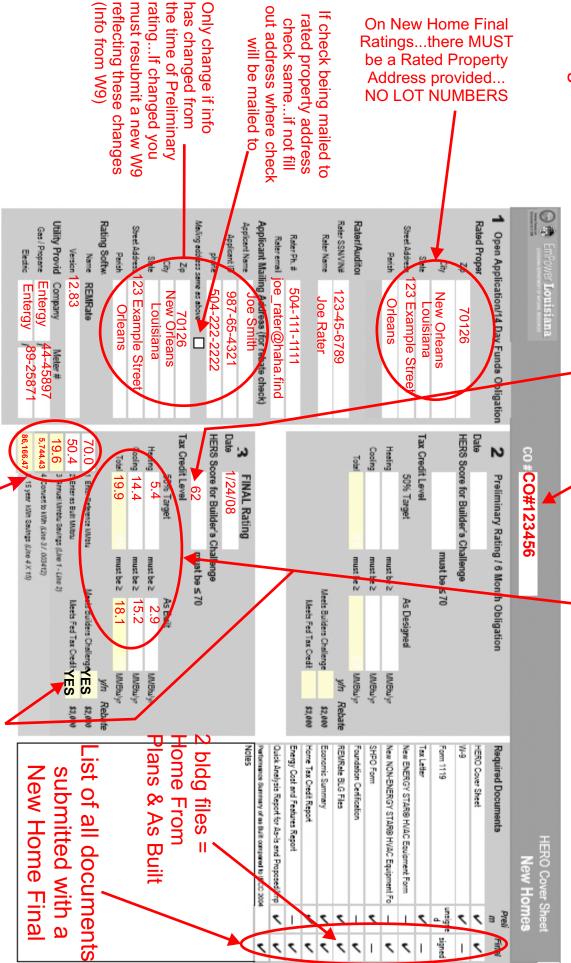
EXAMPLE Documentation for New Home Final Ratings

Preliminary fund allocation and follows through with Final

Assigned with

From as Constructed Quick Analysis

Directly from Final 2005 EPACT Energy Efficiency Home Tax Credit Report



This information comes from Performance Summery of the as built home compared to an IECC 2004 home (Energy Savings of the as Built Home over a Home built to the 2004 IECC...see p.6 of this document)
...CARRY OUT TO AT LEAST 1 DECIMAL PLACE...

Version 1-13-2011

Rated Property LA Dept of Natural Resources EmPower Louisiana of Louisiana see 123 Example Street State Ş **New Orleans** Louisiana 70126 Orleans From Final **Economic Summary** From Preliminary **EconomicSummary** Program Mame Air Leakage Wall Insulation Suggested Improvement Options Rating Status Preliminary² Program and Rating Status provide accurate information on this form based on the professional judgement of the Energy Rater at the time of the rating. No warranty as to specific Notes: Savings total for individual efficiency measures may not equal the value of the features combined together. Every effort has been made to Cooling Equipment Air Leakage Water Heater Duct Leakage Floor Insulation Ceiling Insulation energy performance is expressed or implied by the information on this form. 1. Owner signature required only for final rating. 2. Preliminary rating for Total Package Windows New Homes must be done from from building plans HERO Certified Energy Rater Heating Equipment less efficient Joe Rater oe Kater 1/24/08 New Homes 200-151 ** *** 150-101 X Final Joe Smith Existing Homes *** 100-91 **Dbl/LowE/Vyn** (a 100 point home meets the 2004 3000cfm@50 8.5 HSPF Existing Valu 4 SEER .92 EF **R30 R30** *** 90-86 Signature! Name Rating / Energy Cost Home Owner **** Estimated Annual Energy Costs* 85-71 Proposed Option Estimated Annual Savings* Joe Smith foe Smith **** 70 or less HERS Rating (ECC) more efficient HERO Form 1119 -Is Propert Dbl/LowE/Arg/Vyn 3000cfm@50 17.5 SEER **9.3 HSPF** As Constructed Home Quick Analysis of Final .92 EF Actual **R30 R30** /24/08 먊 Prope From Final Energy Cost & Feature Report

Always 100 on a New Home

QUICK ANALYSIS REPORT

Date:

April 16, 2010

Rating No.:

Building Name:

-. loo S

Rating Org.:

Owner's Name:

Joe Smith

Phone No.:

987-654-3210

Property:

Address:

123 Example Street New Orleans, LA 70126 Rater's Name:

Joe Rater

Builder's Name:

Eddie Beard, LLC

Rater's No.:

ERHL 2000-026

Weather Site:

Eddle Beard, LLC

New Orleans, LA

Rating Type:

Confirmed Rating

File Name:

E.Beard4045AthisCtBLGF.blg

Rating Date:

1-24-08

Code5

IECC 2009 Performance:
IECC 2006 Performance:
IECC 2004 Performance:
IECC 2003 Performance:
IECC 2001 Performance:
IECC 2000 Performance:
IECC 1998 Performance:
IECC of NY Performance:
IECC of NY Performance:
IECC 1995 Performance:
IECC 1993 Performance:
IECC 1993 Performance:

MEC 1992 Performance:

ASHRAE 90.2 Performance:

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EPA ENERGY STAR

Tax Credit HERS Index

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Passes

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Final Rating Score/Index of as Constructed Home

2005 EPACT ENERGY EFFICIENT HOME TAX CREDIT

Date:

April 16, 2010

Rating No.:

Building Name:

Joe Smith

Owner's Name:

Property:

Address:

123 Example Street New Orleans, LA 70126

Builder's Name:

Eddie Beard, LLC

Weather Site:

New Orleans, LA

File Name:

Heating:

Cooling:

Total:

E.Beard4045AthisCtBLGF.blg

Rating Org.:

Phone No.:

987-654-3210

Rater's Name:

Joe Rater

ERHL 2000-026

Rating Type: Rating Date:

Rater's No.:

Confirmed Rating

1-24-08

Normalized, Modified End-Use Loads (MMBtu/year)

2004 IECC

50% Target As Designed 5.4 2.9 14.4 15.2 19.9 18.1

Information transferred

to Cover Sheet

Envelope Loads (MMBtu/year)

2004 IECC

90% Target

As Designed 9.8

Heating: Cooling:

Total:

25.9

27.1 35.7

3.5

23.6

This home MEETS the requirements for the residential energy efficiency tax credits under Section 1332, Credit for Construction of New Energy Efficient Homes, of the Energy Policy Act of 2005.

As demonstrated above, this dwelling unit has a projected level of annual heating and cooling energy consumption that is at least 50% below the annual level of heating cooling energy consumption of a reference dwelling/in the same climate zone, and the building envelope components improvements alone account for at least 10% of those savings. The projected heating and cooling energy savings above have been calculated in the manner prescribed in Section 2.02 of Notice 2006/27 of the Internal Revenue Service. Field inspections of the dwelling unit performed by the undersigned eligible certifier during and after the completion of construction have confirmed that all features of the home affecting such heating and cooling energy consumption comply with the design specifications provided to the undersigned certifier.

Ceiling Flat: R-30

Vaulted Ceiling: NA

Above Grade Walls: U-0.051

Foundation Walls: NA Exposed Floor: R-30 **Building Features**

Slab: None

Duct: R-6.0

Window: U-Value = 0.330, SHGC = 0.450

Air-Source HP: Electric, Htg: 9.3 HSPF. Clg: 17.5 SEER.

Shows that this home Meets the Tax Credit Criteria

This report provides information useful in determining whether the home qualifies for Energy Efficiency Tax Credits. It is not valid for tax purposes, as homes must be inspected and approved by a certified HERS rater in order to qualify.

PERFORMANCE SUMMARY - 2004 IECC Date: Rating No.: Building Name: The new home as built Rating Org.: Owner's Name: Phone No.: compared to an IECC Rater's Name: Property: 2004 home in REMRate Address: Rater's No.: Builder's Name: Weather Site: Rating Type: File Name: Rating Date: % DIFF REFERENCE DIFF Annual Load (MMBtu/yr) 9.1 5.6 38,1% Heating 14.7 5.4% 31.7 30.0 1.7 Cooling Water Heating 12.2 8.9 3.4 27.5% Annual Consumption (MMBtu/yr) 12.3 51.1% Heating 24.1 118 27.0% Cooling 11.2 8.1 3.0 32.8% Water Heating 16.1 10.8 5.3 19.7 19/0 Lights & Appliances -6,6 40.0 **Photovoltaics**

Total 50.4 20.6 29,0% 70.0 Annual Energy Cost (Slyr) 50.3% 201 Heating. 400 \$ 199 \$ Cooling \$ 317 \$ 231 3 88 27.0% Water Heating \$ 263 \$ 177 3 86 32.8% \$ 560 \$ 560 \$ Lights & Appliances **Photovoltaics** 8 -0 \$ -0 3 \$ \$ \$ Service Charges 0 Ů. Total \$ 1539 3 1167 3 373 24.2% Design Loads (kBtu/hr) -9.4% Space Heating 21.6 23.6 -2.02.4% Space Cooling 18.1 17.6 0.4

Enter on Cover Sheet

'Reference Home Mmbtu"

Utility Rates:

Electricity:

Gas:

Gas state 2008 1.631

Enter on Cover Sheet "As Built Mmbtu"

ECONOMIC SUMMARY - 2004 IECC Date: April 16, 2010 Rating No.: Run the Economic Summary 2 bldg Report to the 2004 IECC Rating Org.: comp **Building Name:** Joe Smith 987-654-3210 Owner's Name: Phone No.: Property: Rater's Name: 123 Example Street Joe Rater ERHL 2000-026 New Orleans, LA 70126 Rater's No.: Address: Builder's Name: Eddie Beard, LLC Weather Site: New Orleans, LA Rating Type: Confirmed Rating File Name: E.Beard4045AthisCtBLGF.blg Rating Date: 1-24-08 Simple Payback (yrs): 36 Always \$12,000 Assumptions: First Year Savings (\$): 12000 184 Heating Improvement Cost (\$) 8.0 130 Does not matter Interest Rate (%) Cooling Loan Term (yrs) Water Heating 11 Lights & Appliances 13 **Photovoltaics** 0 Service Charges 0 Total 338 First Year Cost 1222 Net Saving Assumptions: Present Value of Savings (\$): 12000 2292 Improvement Cost (\$) Heating Always 5-5.0 Discount Rate (%) Cooling 1617 Always 0 -0.0 Water 135 Fuel Escalation Rate (%) Always 20 years -163 Improvement Life (yrs) Lights & Appliances on New Homes 0 **Photovoltaics** 0 "Energy Efficiency Premium" Service Charges **EEP equals Total** Cost of Energy Savings" Total 4207 "Present Value of Energy Savings" Improvement Cost 12000 Net Savings -7793 Τo Differences From REFERENCE E.Beard4045AthisCtBLGF R-30 unvented Attic U=0.032 Ceiling w/Attic N/A U=0.035 SIP 3-5/8" U=0.051 Frame Walls N/A U=0.082 N/A U=0.750 Fiberglass Door U=0.268 Doors

ECONOMIC SUMMARY - 2004 IECC

E.Beard4045AthisCtBLGF.blg

Page 2

Windows UDRH Std U=0.750

Frame Floors N/A U=0.257

Ducts NA
Duct Leakage NA

Mechanical Equipment List ASHP: Htg: 59.3 kBtuh, 7.7 HSPF. Clg: 20.8

kBtuh, 13.0 SEER.

Water Heating: Conventional, Elec, 0.89 EF.

Infiltration Htg: 0.00048 Clg: 0.00048 SLA

Infilt. Measure Blower door test

Dbl/LoE/Arg - Vinyl U=0.330

R-30 U=0.034

R-6.0 Conditioned space 0.00 CFM @ 50 Pascals

ASHP: Htg: 41.1 kBtuh, 9.3 HSPF. Clg: 24.0

kBtuh, 17.5 SEER.

Water Heating: Conventional, Elec, 0.92 EF.

Htg: 1250 Clg: 1250 CFM50

Blower door test

Run the Economic Summary 2 bldg Report comparing the New Home to the 2004 IECC

ENERGY COST AND FEATURE REPORT - 2004 IECC Date: April 16, 2010 Rating No.: Run the Energy Cost & Feature 2 bldg Report Rating Org.: mpa to the 2004 IECC **Building Name:** Owner's Name: Joe Smith Phone No.: 987-654-3210 Property: 123 Example Street Rater's Name: Joe Rater ERHL 2000-026 Rater's No.: Address: New Orleans, LA 70126 Builder's Name: Eddie Beard, LLC Confirmed Rating Weather Site: Rating Type: New Orleans, LA E.Beard4045AthisCtBLGF.blg Rating Date: 1-24-08 File Name: REFERENCE E.Beard4045AthisCtBLGF DIFF % DIFF ANNUAL ENERGY COSTS 82.0% 224 \$ 40 \$ 184 Heating \$ 45.8% \$ \$ 130 \$ 283 153 Cooling \$ 4.3% \$ \$ 240 11 251 Water Heating 2.9% \$ 443 \$ 13 \$ 456 Lights & Appliances \$ \$ \$ -0 -0 **Photovoltaics** Service Charges \$ Estimated Annual Pre-Improvement \$ 0 \$ 0 **Energy Cost Goes on Form 1119** 338 27.8% 1215 877 \$ \$ 28 101 73 27.8% Average Monthly **ENERGY FEATURES**

Ceiling w/Attic: N/A,U=0.035
Vaulted Ceiling: None
Above Grade Walls: N/A U=0.082

Above Grade Walls: N/A U=0.082 Foundation Walls (Cond): None

Found. Walls (Uncond): None

Doors: N/A U=0.750

Windows: UDRH Std U=0.750
Frame Floors: N/A U=0.257

Slab Floors: None

Infiltration: Htg: 0.00048 Clg: 0.00048 SLA
Infilt. Measure: Blower door test

Mechanical Ventilation: None

Interior Mass: Tile

Mech Equip List: ASHP: Htg: 59.3 kBtuh, 7.7 HSPF. Clg: 20.8 kBtuh, 13.0 SEER.

NA

Water Heating: Conventional, Elec, 0.89 EF.

Programmable Thermostat: Heat=No; Cool=No

Duct Leakage: NA
Lights/Appliances: Defaults
Active Solar: None

Ducts:

Estimated Annual Energy

Fiberglass Door Porm 1119

Dbl/LoE/Arg - Vinyl U=0.330

R-30 unvented Attic U=0.032

R-30 U=0.034

Estimated Annual Post-Improvement

Energy Cost Goes on Form 1119

Htg: 1250 Clg: 1250 CFM50

Balanced: HRV, 111 cfm, 1.3 watts.

ASHP: Htg: 41.1 kBtuh, 9.3 HSPF. Clg: 24.0

kBtuh, 17.5 SEER.

Water Heating: Conventional, Elec, 0.92 EF.

R-6.0 Conditioned space

0.00 CFM @ 50 Pascals

ENERGY COST AND FEATURE REPORT - 2004 IECC Page 2 E.Beard4045AthisCtBLGF.blg Photovoltaics: None Sunspace: No Notes: Where feature level varies in home, the dominant value is shown. Only changed features are shown for Bldg 2. Run the Energy Cost & Feature 2 bldg Report comparing the New Home to the 2004 IECC



HERO Program

Assigned with Preliminary fund

nd co#: co#123456 lows

HVAC Equipment Forms allocation and follows

through with Final Provide make, model, & serial number for all new building heating, ventilating, cooling and hot water equipment installed after the preliminary audit. Provide a separate list for Energy Star® and non-Energy Star® equipment. This information is required for verification purposes. It must be legible. (If you need additional room, complete the list on a blank piece of paper.)

New Energy Star® HVAC Equipment List	Q	Make	Model	Serial Nos.
Water Heaters				
Gas Storage Water Heaters				
Gas Condensing Water Heaters				
Gas Tank-less Water Heaters		Fill out the Make, Model,		and Serial
Air Conditioners	_		Now End	ray Star
Room Air Conditioners	D C	INDICISION OF THE PROPERTY OF THE INDICES OF THE PROPERTY OF T		19y Otal
Central Air Conditioners	EQ	uipment	that is install	=QUIPMent that is installed in the New
Heat Pumps		Home and is	Home and is called out on this list	າ this list
Electric Heat Pumps				
Air Source Heat Pumps				
Gas Furnaces				
Other				

HERO Program

HVAC Equipment Forms allocation and follows through with Final Assigned with Preliminary fund



New NON- Energy Star*	€	Make	Model	Serial Nos.
HANG DAMPHER USA				
Water Heaters				
Gas Storage Water Heaters				
Gas Condensing Water Heaters	9			
Gas Tank-less Water Heaters				
Air Conditioners	~1	Fill out the	Fill out the Make, Model	, and Serial
Room Air Conditioners	ا الله الله الله الله الله الله الله ال	Numbers for all New Nor	Lack wo	Enorgy Star
Central Air Conditioners		טכוס וטו מוו		Liviey Orai
Heat Pumps		guipmer	1t that is inst	EQUIPMENt that is installed in the New
Electric Heat Pumps		Home and	Home and is called out on this list	on this list
Air Source Heat Pumps				
Gas Furnaces				
Other	2			